

Fig. 1

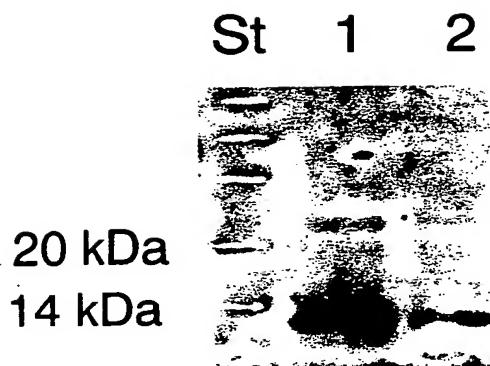
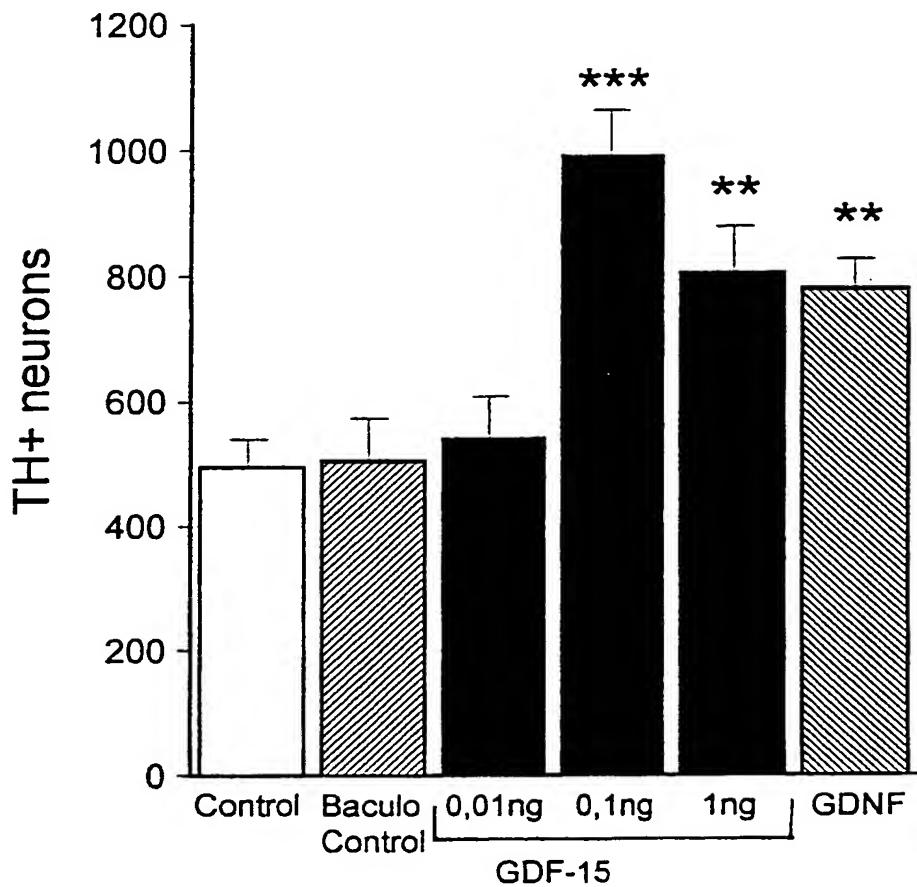


Fig. 2

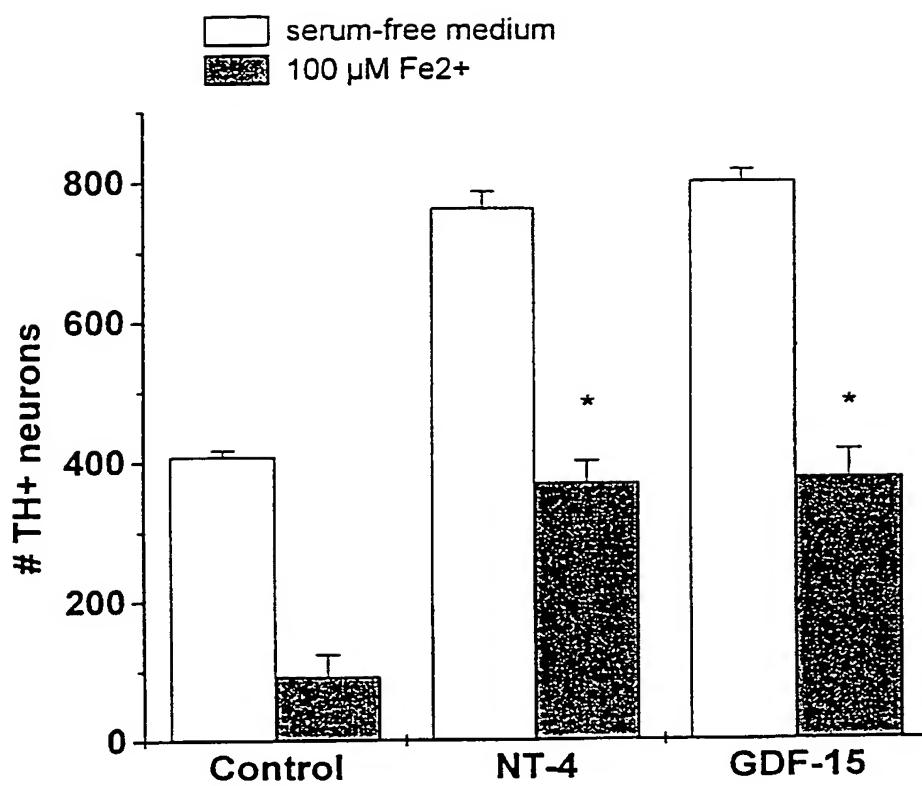
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Fig. 3



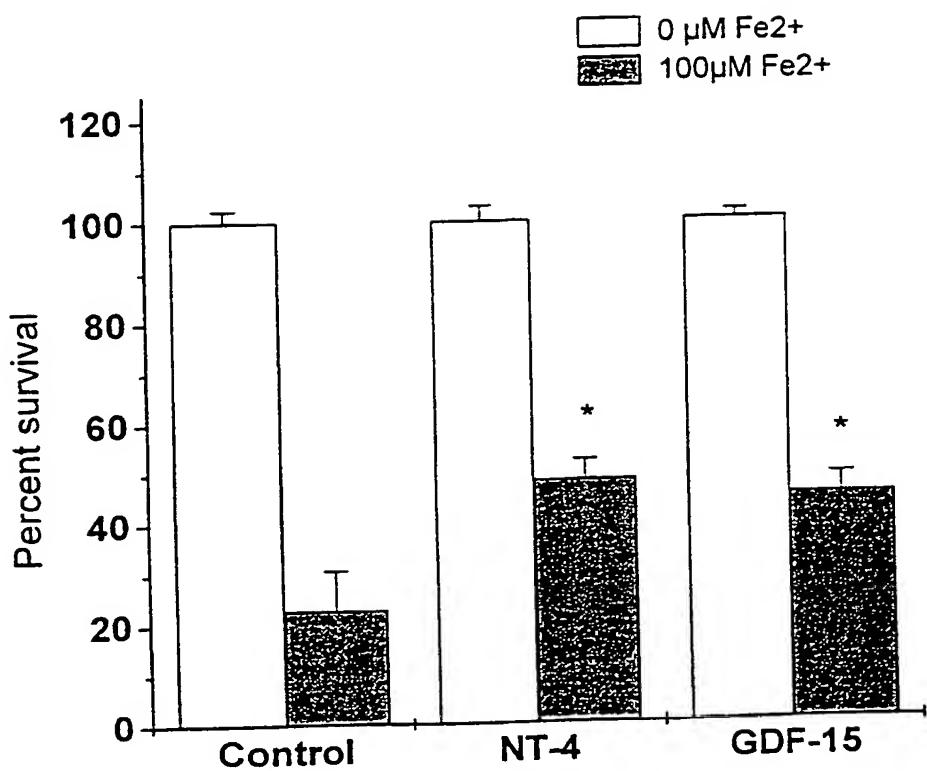
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Fig. 4A



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Fig. 4B



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Fig. 5A

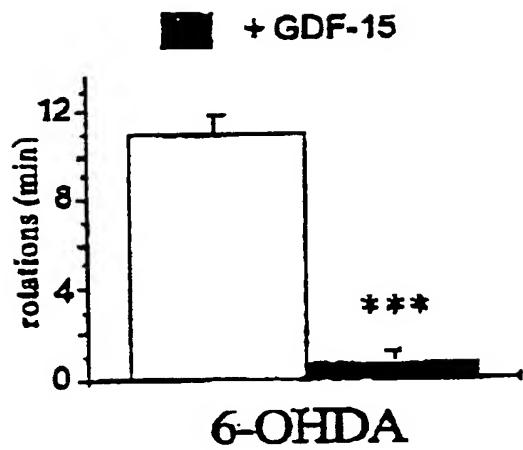
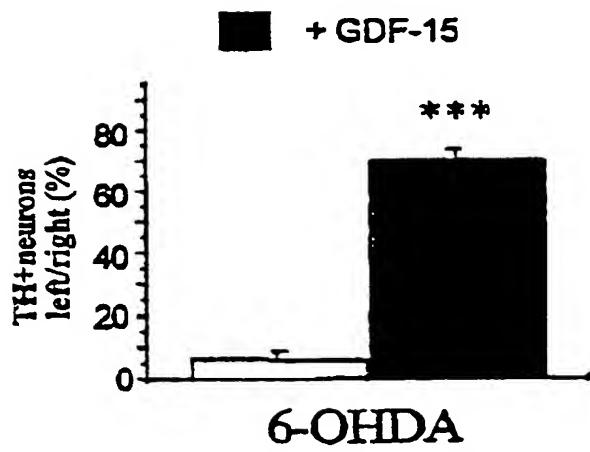
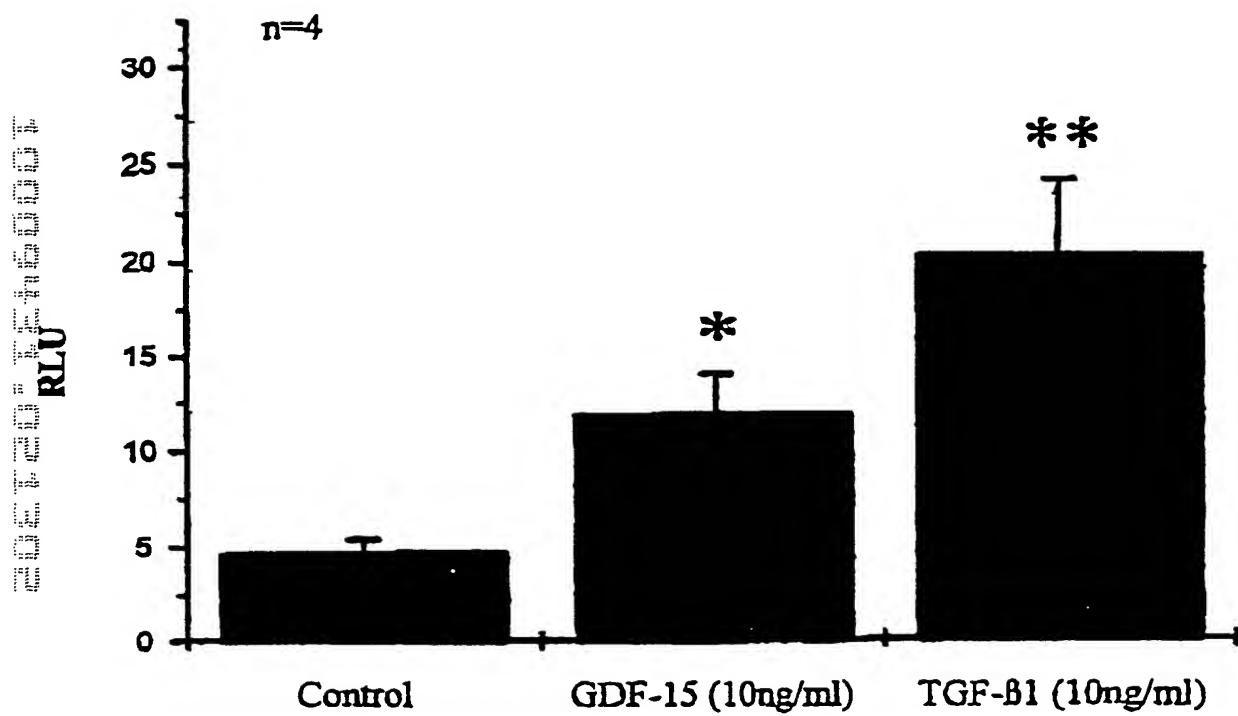


Fig. 5B



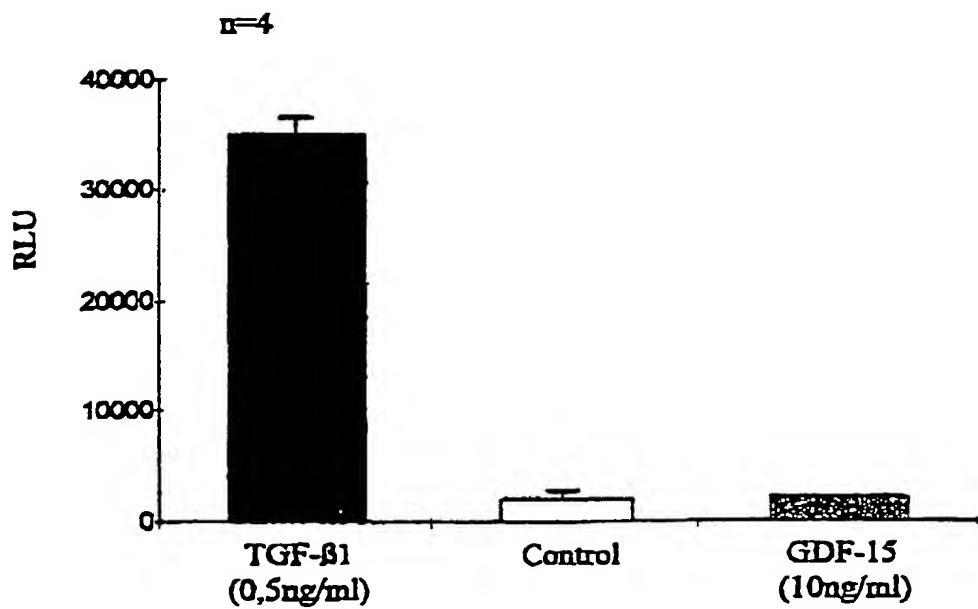
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Fig. 6A



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Fig. 6B



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Fig. 7A

cDNA hGDF-15 (pre-pro-mature)

ATGCTCCTGGTGTGCTGGTGCCTCGTGGCTGCCGCATGGGGCGCCCTGTCTCTGGCCG
 AGGCGAGCCGCGCAAGTTCCCGGGACCCCTCAGAGTGCACCTCGAAGACTCCAGATTCCG
 AGAGTTGGGAAACGCTACGAGGACCTGCTAACCAAGGGCTGCAGGCAACCAAGAGCTGGAA
 GATTGAAACACCGACCTCGTCCCGGCCCTGCAGTCCGGATACTCACGCCAGAAGTGCGGC
 TGGGATCCGGCGGCCACCTGCACCTGCGTATCTCTCGGGCCGCCCTCCGAGGGGCTCCC
 CGAGGCCTCCCGCCTCACCGGGCTCTGTTCCGGCTGTCCCCACGGCGTCAAGGTGTTGG
 GACGTGACACGACCGCTGGCGTCAGCTCAGCTTGCAAGACCCCAGGCGCCCGCTGC
 ACCTGCGACTGTGCCGCCGTGCAGTCGGACCAACTGCTGGCAGAATCTCGTCCGC
 ACGGCCCCAGCTGGAGTTGCACTTGGGCCGAAGCCGCCAGGGGGCGCCGAGAGCGCGT
 GCGCGCAACGGGACGACTGTCCGCTGGGCCGGCGTTGCTGCCGTCTGCACACGGTCC
 GCGCGTCGCTGGAAGACCTGGCTGGCCATTGGGTGCTGTCGCCACGGGAGGTGCAAGT
 GACCATGTGCATGGCGCGTCCCCGAGCCAGTTCCGGCGGCAAACATGCACGCCAGATC
 AAGACGAGCCTGCACCGCCTGAAGCCGACACGGTGCCAGGCCCTGCTGGTCCCCGCA
 GCTACAATCCCATGGTGCTCTTACAAAAGACCGACACCAGGGTGTGCTCCAGACCTATGA
 TGACTTGTAGCAAAGACTGCCACTGCATATGA

Fig. 7B

protein hGDF-15 (pre-pro-mature)

MLLVLLVLSWLPHGGALSLAEASRASFPGPSELHTEDSRFRELKRYE
 DLLTRLRANQSWESENLDLVPAPAVRILTPEVRLGSGGHLHLRISRAALPEGLPEASRLH
 ALFRLSPTASRSWDVTRPLRRQLSLARPQAPALHLRLSPPPSQQSDQLLAESSSARPQLELH
 LRPQAARGRRRARARNGDHCPLGPGRCRRLHTVRASLEDLGWADWVLSPREVQVTMCIGAC
 PSQFRAANMHAQIKTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDTGVLQLTYDDLLAKDC
 HCI

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Fig. 8A

cDNA hGDF-15

(mature)

GCGCGCAACGGGGACGACTGTCCGCTCGGCCCCGGCGTTGCTGCCGTCTGCACACGGTCC
GCGCGTCGCTGGAAGACCTGGGCTGGGCCGATTGGGTGCTGTCGCCACGGGAGGTGCAAGT
GACCATGTGCATCGGCGCGTGCCGAGCCAGTTCCGGCGGCAAACATGCACGCGCAGATC
AAGACGAGCCTGCACCCGCTGAAGCCCACAGGTGCCAGCGCCCTGCTGCGTGCCGCCA
GCTACAATCCCATGGTGCTCTACAAAAGACCGACACCGGGGTGTCGCTCCAGACCTATGA
TGACTTGTAGCAAAGACTGCCACTGCATATGA

Fig. 8B

protein hGDF-15

(mature)

ARNGDHCPLGPGRCRRLHTVRASLEDLGWADWVLSPREVQVTMCIGACPSQFRAANMHAQI
KTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDGVSLQTYDDLLAKDCHCI